

DAVE STRICKLAN

Education

Ph.D. (2019) New Mexico State University, Animal & Range Science Dept.
M.S. (1987) Brigham Young University, Botany & Range Science (Wildlife Emphasis)
B.S. (1984) Brigham Young University, Botany & Range Science
A.A.S. (1981) Ricks College, General Studies

Professional Experience

Visiting Assistant Professor, Department of Animal and Range Sciences - New Mexico State University. 2019 to present.

Ph. D. student, Department of Animal and Range Sciences - New Mexico State University. 2014 to 2019.

Tenured Faculty and Director of Wildlife Museum - Brigham Young University-Idaho (formerly Ricks College), Department of Biology. 2000 to 2014.

Supervisory Natural Resource Assistant - Targhee National Forest, Dubois Ranger District. 1998 to 2000.

Range/Wildlife Staff - Uinta National Forest, Pleasant Grove Ranger District. 1992 to 1998.

Range/ Wildlife Staff - Targhee National Forest, Island Park Ranger District. October 1990 to October 1992.

Wildlife Biologist - Nebraska National Forest, Bessey Ranger District. March 1989 to October 1990.

Range Research Technician - Rocky Mountain Research Station. USDA Forest Service, Rapid City, SD. June 1988 – March 1989.

Research Technician, winter porcupine studies. Brigham Young University, Department of Botany and Range Science. 1986-1987.

Grizzly Bear Trapper (volunteer). Interagency Grizzly Bear Team. July 1983.

Teaching Experience

At NMSU:

- RGSC 460 Advanced Range Management (Department Capstone Class)
- RGSC 440 & Lab Rangeland Resource Ecology
- RGSC 325 Rangeland Restoration Ecology
- RGSC 302V Viewing the Wider World – Forestry and Society
- RGSC 294 Rangeland Resource Management

At Brigham Young University-Idaho:

- Bio 100 General Biology
- Bio 118 Field Biology
- Bio 199 Biology Career Orientation (ecology based)
- Bio 202 Natural Resource Management
- AS/Bio 225 Introduction to Range Management
- Bio 302 General Ecology
- Bio 351 Principles of Wildlife Management
- Bio 362 Stream Ecology
- Bio 379 Ecological and Wildlife Techniques
- Bio 401 Readings in Biology
- Bio/REC 423 Natural Resource Policy

At Brigham Young University in Provo:

- Federal Agency Policy and NEPA - Special Problems

At Utah Valley Community College in Orem, Utah (now Utah Valley University):

- General Biology Lab
- General Biology
- General Biology Lab Coordinator (15-17 sections/semester)

Forest Service Experience

While employed by the USDA Forest Service, I worked as a Range Conservationist and as a Wildlife Biologist and served as the Principal District Staff for the following program areas: Lands, Minerals, Range, Roads, Threatened & Endangered Species, Watershed and Wildlife. I also served on wildlife-related Regional FS Committees for Bighorn Sheep, Bats, TE&S species, & standing timber sale appeals.

I have written numerous NEPA documents (Categorical Exclusions, Environmental Assessments and Environmental Impact Statements), Biological Assessments, Biological Evaluations and have participated in development of Forest Planning Documents.

I have testified before County, State and Federal boards, committees, and legislative bodies including:

- The Nebraska State Game & Parks Commission (twice) – Prairie Grouse seasons and White-tailed deer populations
- Utah Regional Advisory Council – (six times, mostly on big game seasons) – also served as a Board Member.
- **U.S. Congressional Subcommittee on Interior, Environment and Related Agencies** – Appropriations Bill

Publications

- Stricklan, D.**, A.F. Cibils, P. Saud, R.L. Steiner, A.C. Ganguli, K. Young, D.S. Cram, and A.M. Faist. (In Prep) Germination rates of one-seed juniper (*Juniperus monosperma*) seeds deposited by frugivore vectors. *Rangeland Ecology and Management*.
- Stricklan, D.**, P. Saud, A.F. Cibils, R.L. Steiner, D.S. Cram, K. Young, A.M. Faist. (submitted to *Rangeland Ecology & Management*). Germination of one-seed juniper seeds distributed by different frugivore groups.
- Estell, R.E., A.F. Cibils, S.A. Utsumi, **D. Stricklan**, E.M. Butler, A.I. Fish, A.C. Ganguli. 2018. Controlling One-Seed Juniper Saplings with Small Ruminants: What We've Learned. *Rangelands*, accepted Aug. 2018.
- Sherwin, R.E., S. Haymond, **D. Stricklan**, and R. Olsen 2002. Freeze branding to permanently mark bats. *Wildlife Society Bulletin* 30 (1): 97-100.
- Sherwin, R.E., **D. Stricklan**, and D.S. Rogers. 2000. Roosting Affinities of Townsend's Big-eared Bat (*Corynorhynchus townsendii*) in Northern Utah. *Journal of Mammalogy* 81 (4): 939-947.
- Beeny L. and **D. Stricklan**. 1999. Shuffling through Winter. *Wyoming Wildlife* (March).
- Sherwin, R.E., D.S. Rogers, and **D. Stricklan**. 1996. The Gating and Management of Logan Cave, Utah, a cooperative effort. *Bat Research News* 37:4.
- Stricklan, D.**, J.T. Flinders, and R.G. Cates. 1995. Factors Affecting Selection of Winter Food and Roosting Resources by Porcupines in Utah. *Great Basin Naturalist* 55:29-36.

Papers and Posters Presented

- Stricklan, D.**, A.F. Cibils, P. Saud, A.M. Faist, A.C. Ganguli, and R.L. Steiner. 2018. Dispersal of one-seed juniper (*Juniperus monosperma*) seeds by a diverse frugivore guild in New Mexico. Society of American Foresters National Convention, Portland, OR.
- Almalki, Y., A. Cibils, R. Estell, **D. Stricklan**, S. Utsumi, A. Fernald. 2018. Juniper sapling regrowth following targeted grazing treatments in relation to terpenoid concentration. International Society for Range Management Meetings, Minneapolis, MN.
- Stricklan, D.**, A.F. Cibils, and A.C. Ganguli. Distribution of one-seed juniper by a diverse frugivore guild. 2017. New Mexico Section Meetings of the Society for Range Management, Los Cruces, NM.
- Stricklan, D.** and A.C. Ganguli. 2017 (poster). Encroachment Enablers: Who left that juniper seed there? New Mexico Native Plant Society Annual Conference. Taos, NM.
- Stricklan, D.**, D.W. Bailey, J.B. Lamb, M.F. Millward, and J.C. Whiting. 2016. Approaches to Manage Cattle Use of Riparian Areas: An Example from southeastern Idaho. International Society for Range Management Meetings, Corpus Christi, TX.

- Stricklan, D.** and D.W. Bailey. 2016. Approaches to Manage Cattle in Riparian Areas. New Mexico Section Meetings of the Society for Range Management, Los Lunas, NM.
- Stricklan, D.**, D.W. Bailey, J.B. Lamb, M.F. Millward, and J.C. Whiting. 2015 (poster). Approaches to reduce cattle use of riparian areas through herding and strategic placement of supplement. International Society for Range Management Meetings, Sacramento, CA.
- Stricklan, D.** and D.W. Bailey. 2015. Using herding and strategic placement of supplement to reduce cattle residence time in riparian areas. New Mexico Section Meetings of the Society for Range Management, Socorro, NM.
- Irwin, D.A., T.A. Messmer, **D. Stricklan**, and W. Shields. 1998. Potential impacts of contemporary harvest management strategies on mule deer: a reexamination of the role of chemosensory bio-stimuli in reproduction. National Mule Deer Meetings, Sacramento, CA.
- Maxfield, B., **D. Stricklan**, and H.D. Smith. 1998. Habitat Utilization and group size dynamics of mountain goats (*Oreamos americanus*) in Central Utah. Utah Wildlife Society Meetings, Cedar City.
- Sherwin, R.E., D. Rogers, and **D. Stricklan**. 1996. The gating management of Logan Cave, Utah: A cooperative effort. 26th Annual North American Symposium on Bat Research, Bloomington, IL.
- Sherwin, R.E., D. Rogers, and **D. Stricklan**. 1996. Surveys of gating success for Category 2 designated species of bats in Utah. Colorado Bat Society Meetings, Durango.
- Sherwin, R.E., D. Rogers, and **D. Stricklan**. 1996. Macrohabitat affinities of a damaged population of *Corynorhynchus townsendii* in northern Utah. American Society of Mammalogy 76th Annual Meetings, Grand Forks, N.D.
- Stricklan, D.**, and J.T. Flinders. 1989. Factors affecting dietary selection by porcupines in Utah. Society for Range Management International Meetings, Billings, MT.
- Stricklan, D.**, and J.T. Flinders. 1988. Movements of porcupines in Central Utah. Utah State Wildlife Meetings, Provo.
- Stricklan, D.**, and J.T. Flinders. 1986. Plant herbivore relationships between porcupines and gambel oak (preliminary results). Utah Academy of Science Spring Meetings, Cedar City.

Invited Seminars

- Distribution of One-seed Juniper by Frugivores 2019 - Lincoln NF Leadership Team
- Distribution of One-seed Juniper by Frugivores 2019 - Arizona State University
- Statewide Range & Wildlife Management Issues 2019 - Montana State University
- Riparian Properly Functioning Condition (PFC) 2018 - Range Staff Gila NF
- Idaho Fish & Game 2012 - Master Naturalist Ecology Series
- Idaho Fish & Game 2011 - Master Naturalist Ecology Series

- Brigham Young University 2010 - Gray Wolf Reintroduction Issues
- Idaho State University 2008 - Natural Resources and Federal Agency Policy
- Idaho State University 2007 - Natural Resources and Federal Agency Policy
- Greater Yellowstone Coalition Annual Meeting 2007 - Idaho Bear Corridor
- Brigham Young University 1997 - Federal Agency Grazing Policy
- Ricks College 1992 - Grizzly Bear Management in Idaho
- University of Nebraska 1991 - Extension Program, Grassland Birds

Appointed and Elected Positions

President - Friends of Camas [National Refuge]. 2013.

Board of Directors - Friends of Camas [National Refuge]. 2012.

President - Idaho Chapter of The Wildlife Society. 2009-2010.

Board of Directors - Greater Yellowstone Coalition. Bozeman, MT, 2006-2008.

Utah Regional Wildlife Advisory Council (Gubernatorial Appointment). The council set season and limit regulations for the Utah Division of Wildlife Resources. 1998-1999 term.

Research Associate. Forest Service Research Intermountain Region Shrub Sciences Lab. Provo, Utah. 1997-2000.

Upper Snake River Sage Grouse Working Group. 1999.

Bighorn Sheep Regional Lead Biologist. Intermountain Region of the Forest Service. 1997-2000.

FS Region 4 Standing Appeal Review Team. 1997-1999.

Bat Regional Lead Biologist. Intermountain Region of the Forest Service. 1995-1997.

Greater Yellowstone Bald Eagle Working Group (Chair). 1992.

North American Lynx/ Fisher/ Wolverine Working Group. 1990-1992.

Nebraska Taking Wing/ Waterfowl Working Group. 1989-1990.

Membership in Professional Organizations (past and present)

The Wildlife Society
Society for Range Management
Society of American Foresters
Utah Academy of Sciences
Western States Bat Working Group
Friends of Camas National Refuge
Audubon Society (local and national)
Greater Yellowstone Coalition
Foundation for North American Wild Sheep

Awards

Joe D. Wallace Outstanding Range Student Scholarship New Mexico State University (2015), Las Cruces, New Mexico.

Poster session, Ph. D. category - second place award. Society for Range Management International Meetings, Sacramento, CA 2015.

BYU-Idaho College of Agriculture and Life Sciences 2004 - 2005 **Outstanding Faculty** cash award.

Faculty Service Learning Award – **University Meritorious Service-Learning Award 2002 – 2003**. Brigham Young University – Idaho.

Utah Foundation for North American Wild Sheep Public Land Steward of the Year (1997).

Threatened, endangered and Sensitive Species **Outstanding Biologist of the Year (1993)**, Intermountain Region (4) of the U.S.D.A. Forest Service.

U.S.D.A. Forest Service Certification of Merit/ Cash Awards:

- 1999 (Primary Staff Duties) - Tragee N.F.
- 1996 (PacifiCorp Hydro Project) - Uinta N.F.
- 1994 (Threatened & Endangered Species Work - Bat & Goshawk) - Uinta N.F.
- 1993 (Winter Range Habitat Project) - Uinta N.F.
- 1992 (Mentoring Targhee N.F. Biologists) - Targhee N.F.
- 1991 (Rescue of Snowmobilers) - Targhee N.F.
- 1990 (Waterfowl Project) - Nebraska N.F.

F. Bertrand Harris Outstanding Senior Award/ Scholarship- Brigham Young University: Department of Botany and Range Science. 1983.

Star Chapter Farmer- Future Farmers of America, Butte Co., ID Chapter. 1976.

Idaho State Farm Cooperative Business Competition Winner & Representative to National Meetings in Washington, D.C. 1976.

Funding

I have procured the grants from the following sources:

- \$ **5,000** Idaho Chapter of the Foundation for Wild Sheep – Domestic sheep GIS allotment map and summary
- \$ **1,500** USDA Targhee National Forest – Spotted frog study & survey
- \$ **20,000** USDA Targhee National Forest – Threatened and Endangered Species Survey and habitat mapping
- \$ **10,000** Idaho State Unclaimed Livestock Fund – Rangeland habitat assessment
- \$ **120,000** Utah Division of Oil Gas & Mining, BLM, FS, – Townsend big-eared bat and abandoned mine survey and bat gating materials
- \$ **1,100** TREC Inc. Yellow-billed Cuckoo surveys and habitat mapping

Projects

I have worked on a variety of range & wildlife projects. Some of the notable projects include:

Riparian Rehabilitation projects, numerous streams in South Dakota, Nebraska, Utah, Idaho and New Mexico.

Survey of mid-sized mammals in Guanacaste National Park, Belize for the Belizean Forest Department and the Belize Audubon Society.

Rocky Mountain bighorn state-wide GIS mapping project. Funded by the Foundation for North American Wild Sheep and the BLM & FS. Statewide mapping of domestic sheep allotments that conflict with free ranging sheep populations.

Yellow-billed cuckoo inventory. Surveys for BLM & FS to detect nest sites using a call/respond protocol. Four students in cooperation with TREC Inc.

Rocky Mountain bighorn sheep habitat restoration project. Cooperators - Unita N.F., Foundation for North American Wild Sheep.

Sage grouse recovery team. Cooperators - FS, US Fish & Wildlife Service, Utah Division of Wildlife Resources, Utah Mitigation, Reclamation and Conservation Commission and Brigham Young University.

Elk study. Set elk/ livestock forage use partitioning. Cooperators - Unita N.F. and Utah Division of Wildlife Resources.

Boreal owl study. Cooperators - Unita N.F., Brigham Young University.

Bat gates on abandoned mine shafts. Approximately 45 structures made of jailhouse steel cemented into the rock substrate to allow bats passage into closed mines. Cooperators- Unita and Wasatch-Cache National Forest and Utah Division of Oil, Gas, and Mining.

Moose habitat utilization and improvement. Targhee National Forest, and Idaho Fish & Game.

Aspen/ Conifer Invasion projects.

Winter Range decadence study. Cooperators- FS Research, Uinta National Forest and Utah Division of Wildlife Resources.

Neotropical migrant, great gray owl and boreal owl surveys.

Use of lodge pole habitat in a timber removal area of the Targhee National Forest. Cooperators - Targhee National Forest and Interagency Grizzly Bear Team.

Goshawk/Timber Harvest relationships. Cooperators - Targhee National Forest, Idaho Fish & Game, and Idaho State University.

Trumpeter Swan habitat requirements and habitat improvement. Cooperators - Targhee National Forest and University of Michigan.

Prairie Chicken nesting success study. Cooperators - Nebraska Game & Fish, and Nebraska National Forest.

Creation of the 2,000-acre Lord Lake Wetland Complex. Cooperators- Nebraska National Forest, Nebraska Game & Fish, and Ducks Unlimited.

Missouri River Breaks Mitigation and Habitat Typing. Cooperators- FS Research, South Dakota Game, Fish & Parks, North Dakota Game & Fish, and the Army Corps of Engineers.

Radio telemetry study of grizzly bears. Cooperators - Member Agencies of the Interagency Grizzly Bear Study Team.

Black bear research. Cooperators - Utah Division of Wildlife Resources and BYU.

Porcupine research. M.S. research at BYU.

Riparian studies at New Mexico State University.

Related Interests

Paleobiology: I enjoy collecting fossils. My most important finds are the holotype specimens for **Brodioptera stricklani**, the oldest known winged insect from western North America, and **Bourbonnella jocelynae**, the oldest ray finned fish from western North America. Both specimens are from the Manning Canyon Shale formation.

I am interested in corridor ecology and Pleistocene rewilding.